

What is Claimed is:

1. A method of disseminating medical information to increase patient compliance with a medical regimen, said method comprising the steps of:
 - a) creating a database which includes information regarding a plurality of patients and a plurality of medicines;
 - b) providing a system structured to allow a plurality of stakeholders to access said database and input data into said database through an electronic communication medium;
 - c) collecting input data from said stakeholders in said database through an electronic communication medium;
 - d) providing medicine to a patient in a smart package;
 - e) providing a device structured to allow said smart packages to interact with said database through an electronic communication medium;
 - f) collecting data from said smart packages and storing said data in said database;
 - g) analyzing data to determine the compliance level of the patient;
 - h) creating a patient report for each said patient having data relevant to each said patient; and
 - j) allowing each said patient to access his or her patient report through an electronic communication medium.

2. The method of Claim 1, wherein said data input by said stakeholders includes data regarding the side effects of a medicine and interactions between medicines.

3. The method of Claim 2, wherein said data input by said stakeholders includes data regarding at least one of: the expected results from a medicine, diagnostic medical test results on a patient, data regarding the adherence to exercise, or diet regimens by a patient.

4. The method of Claim 1, wherein:
 - a) said step of collecting data from said smart packages is an on-going process and said analysis to determine a compliance level is repeated periodically; and
 - b) said step of creating a patient report is repeated periodically.

5. The method of Claim 1, comprising the further steps of:
 - a) analyzing data to determine a compliance-behavior value of the patient; and
 - b) allowing a stakeholder access the compliance-behavior value for a specific patient through an electronic communication medium.

6. The method of Claim 5, wherein said step of analyzing data to compliance-behavior value includes the steps of:
 - a) formulating a recursive algorithm;
 - b) comparing the data regarding a patient with a pre-defined set of optimal criteria; and
 - c) adjusting the patient's compliance-behavior value as the patient's compliance improves or declines.

7. The method of Claim 5 wherein said step of analyzing data to determine a compliance-behavior value includes the step reducing the compliance behavior value to a number or a code.

8. The method of Claim 5, wherein said stakeholders are selected from the group including patients, doctors, insurance companies, pharmaceutical companies, pharmaceutical distributors, and healthcare providers.

9. The method of Claim 8 further comprising the steps of:
- a) said insurance company providing said patient with insurance at a rate;
 - b) said insurance company adjusting said rate for a patient based on said patient's compliance-behavior value; and
 - c) updating said patient report with information about said adjustment in said rate.

10. The method of Claim 1, wherein said stakeholders include patients, doctors, insurance companies, pharmaceutical companies, pharmaceutical distributors, and healthcare providers.

11. A computer-readable medium structured to communicate with smart packages for medicines and a plurality of stakeholders through an electronic medium, and containing instructions for determining the compliance of a patient with a medicine regimen, by:

- a) storing a database which includes information regarding a plurality of patients and a plurality of medicines;
- b) collecting input data from said stakeholders through said electronic communication medium;
- c) collecting data from said smart packages and storing said data in said database; and
- d) analyzing data to determine the compliance level of the patient.

12. The computer-readable medium of Claim 11, wherein said data collected from said stakeholders includes data regarding the side effects of a medicine, interactions between medicines, and the expected results of medicines.

13. The computer-readable medium of Claim 12, wherein said data collected from said stakeholders includes data regarding diagnostic medical test results, and data regarding the adherence to exercise and diet regimens by a patient.

14. The computer-readable medium of Claim 11, wherein:

- a) said step of collecting data from said smart packages is an on-going process and said analysis to determine a compliance level is repeated over time; and
- b) said step of analyzing data to determine the compliance level of the patient is repeated over time.

15. The computer-readable medium of Claim 11, comprising further instructions for:

- a) analyzing data to determine a compliance-behavior value of the patient; and
- b) allowing a stakeholder access the compliance-behavior value for a specific patient through an electronic communication medium.

16. A computer-readable medium containing a data structure for storing data relating to the compliance of a patient with a medicine regimen containing data relating to a plurality of medicines and an account for each of a plurality of patients, each account containing data identifying the medicines being taken by each a patient and the data identifying when a smart package that contains the medicine is used.

17. The computer-readable medium containing a data structure of Claim 16 wherein said patient account further includes data input by a doctor regarding compliance by a patient.

18. A system for disseminating medical information to increase patient compliance with a drug regimen comprising:

- a computer controlled by an administrator;

a component storing a database which includes information regarding a plurality of patients and a plurality of medicines;

a means for a plurality of stakeholders to access said database and input data into said database through an electronic communication medium;

a means for recording input data from said stakeholders in said database through an electronic communication medium;

a smart package for storing medicine;

a means for said smart packages to interact with said database through an electronic communication medium;

a means for collecting data from said smart packages and storing said data in said database;

a data analyzing component that analyzes said data from said smart packages to determine the compliance level of the patient;

a patient report generating component that creates a patient report for each said patient, said patient report having data relevant to each said patient; and

a means for allowing each said patient to access his or her patient report through an electronic communication medium.

19. The system of Claim 18 wherein said computer controlled by an administrator includes said component storing a database, said data analyzing component, and said patient report generating component.

20. The system of Claim 18 wherein said means for collecting data from said smart packages is a base station.

21. The system of Claim 18 wherein said means for allowing each said patient to access his or her patient report is a computer.